

**IN THE CLAIMS:**

Please amend the claims as follows:

Claim 1 (Currently Amended): A liquid crystal display including liquid crystal pixel cells arranged at each intersection between a plurality of gate lines and a plurality of data lines, comprising:

a thin film transistor associated with each pixel cell;  
a storage capacitor; and

a smectic liquid crystal between an upper substrate and a lower substrate, wherein the smectic liquid crystal has spontaneous polarization in a range of  $2\text{nC/cm}^2$  to  $10\text{nC/cm}^2$   ~~$70\text{nC/cm}^2$~~  and a unit storage capacitance is in a range of  $1\text{nF/cm}^2$  to  $4.5\text{nF/cm}^2$   ~~$7\text{nF/cm}^2$~~  for optimizing transmittance depending on the spontaneous polarization of the smectic liquid crystal.

Claims 2-3 (Cancelled).

Claim 4 (Currently Amended): A liquid crystal display including liquid crystal pixel cells arranged at each intersection between a plurality of gate lines and a plurality of data lines, comprising:

a thin film transistor associated with each pixel cell;  
a storage capacitor; and  
a smectic liquid crystal between an upper substrate and a lower substrate, wherein the smectic liquid crystal has spontaneous polarization ~~is~~ in a range of  $70\text{nC/cm}^2$  to  $100\text{nC/cm}^2$  and a unit storage capacitance is in a range of  $5\text{nF/cm}^2$  to  $13\text{nF/cm}^2$  for optimizing transmittance depending on the spontaneous polarization of the smectic liquid crystal.

Claim 5 (New): A liquid crystal display including liquid crystal pixel cells arranged at each intersection between a plurality of gate lines and a plurality of data lines, comprising:

a thin film transistor associated with each pixel cell;

a storage capacitor; and

a smectic liquid crystal between an upper substrate and a lower substrate, wherein the smectic liquid crystal has spontaneous polarization in a range of  $10\text{nC}/\text{cm}^2$  to  $70\text{nC}/\text{cm}^2$  and a unit storage capacitance is in a range of  $4\text{nF}/\text{cm}^2$  to  $7\text{nF}/\text{cm}^2$  for optimizing transmittance depending on the spontaneous polarization of the smectic liquid crystal.